



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/944,598	09/04/2001	Tsuneo Sato	0649-0798P	2439

2292 7590 10/03/2002  
BIRCH STEWART KOLASCH & BIRCH  
PO BOX 747  
FALLS CHURCH, VA 22040-0747

EXAMINER
----------

AMINI, JAVID A

ART UNIT	PAPER NUMBER
----------	--------------

2672

DATE MAILED: 10/03/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

PRC

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	09/944,598	SATO ET AL.	
	Examiner	Art Unit	
	Javid A Armini	2672	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) Responsive to communication(s) filed on \_\_\_\_\_.

2a) This action is **FINAL**.                    2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) Claim(s) 6-8 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 6-8 is/are rejected.

7) Claim(s) 6-8 is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on 04 September 2001 is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some \* c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a)  The translation of the foreign language provisional application has been received.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____.
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.	6) <input type="checkbox"/> Other: _____.

*Drawings*

New corrected drawings are required in this application because figures 4, 5, 11 and 14 are not descriptive (units and labels) by themselves. Applicant is advised to employ the services of a competent patent draftsperson outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

*Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 6-8 rejected under 35 U.S.C. 103(a) as being unpatentable over Newman, US 5,208,911, dated September 28, 1990, and further in view of Trueblood US 5,463,702, dated July 14, 1994.
  
2. As per claim 6, Newman et al., hereinafter Newman discloses that one of the aspects of the invention includes the step of generating at least one multidimensional table containing the sample values of the composite transform definition (Col. 3, lines 10-20). Also Newman

discloses in Figs. 4 and 7 a method for compressing the image data that contains multidimensional lookup table (LUT) and transforming the coordinates to identify the color of a single pixel of the image.

It is noted that Newman dose not explicitly disclose compression of multidimensional lookup table, however, this is known in the art as taught by Trueblood. Trueblood discloses a method to truncated to 6 bits per primary color (compression from 8 to 6 bits) see Fig. 5A.

Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of Trueblood into Newman because Newman discloses a method of image processing systems employing look-up tables for transforming from first coordinate apace to a second coordinate space. And Trueblood discloses the compression of lookup table with an identifier to store the LUT, in order to increase its display capability or to save memory space or to be able to transfer faster from different locations, the compression of LUTs are essential

3. As per claims 7 and 8, Newman discloses one of the aspects of the invention includes the step of generating at least one multidimensional table containing the sample values of the composite transform definition (Col. 3, lines 10-20). Newman discloses in Figs. 4, 7 and 14 a method for compressing the image data that contains multidimensional lookup table and transforming the coordinates to identify the color of a single pixel of the image.

It is noted that Newman dose not explicitly disclose compression of multidimensional lookup table, however, this is known in the art as taught by Trueblood. Trueblood discloses a method to truncated to 6 bits per primary color (compression from 8 to 6 bits) see Fig. 5A.

Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teaching of Trueblood into Newman because Newman discloses a method of image processing systems employing look-up tables for transforming from first coordinate space to a second coordinate space. And Trueblood discloses the compression of lookup table with an identifier to store the LUT, in order to increase its display capability or to save memory space or to be able to transfer faster from different locations, the compression of LUTs are essential.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Javid A Amini whose telephone number is 703-605-4248. The examiner can normally be reached on 8-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Razavi can be reached on 703-305-4713. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-8705 for regular communications and 703-746-8705 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-306-0377.

Javid Amini  
October 1, 2002



MICHAEL RAZAVI  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600